



Product Data Sheet (PDS):

GacoFlex™ U66C
Revised: 04/2024

**GACOFLEX™ U66C
TWO-COMPONENT, FIRE-RETARDANT
POLYURETHANE COATING (VOC-COMPLIANT)**

A. PRODUCT DESCRIPTION:

GacoFlex U-66 is a two component, fire-retardant polyurethane elastomeric waterproofing coating.

B. RECOMMENDED USE:

Use on roofs, mechanical room floors, walking and traffic decks where excellent weathering, fire retardance, toughness, fast cure and good solvent resistance are needed. Suitable substrates include concrete, plywood, sprayed in place polyurethane foam and metal.

C. PACKAGED PRODUCT DATA*:

PROPERTY	DESCRIPTION
COLOR	UB6601C – OYSTER UB6421C – PEWTER U6616C – SHALE U6618C – ADOBE
WEATHERABILITY	Excellent durability and chalk resistance, off-whites will show some yellowing.
CHEMICAL RESISTANCE	Good salt, acid, alkali and solvent resistance. Excellent hydrolytic stability up to 160 °F (71 °C).
TOXICITY	Inhaling high vapor concentration of solvents could have adverse health effects. Part B contains isocyanate prepolymer, which is toxic if heated in a confined area and inhaled as particulate matter. Wear respiratory protection if material is heated, sprayed, or used in a confined space. Refer to SDS for more information.
ADHESION	Adheres well to wood, sprayed-in-place polyurethane foam, neoprene, Hypalon coatings and GacoFlex primers. See primer recommendations below (or Gaco Primer Recommendation Chart), for specific surfaces. The GacoFlex primer-sealer system is recommended to minimize blistering when coating over porous concrete. GacoFlex U66 series coatings can be re-coated when set to touch or as much as a week between coats may be allowed, as long as the surface is clean and dry. Use neoprene primer over U66 to assure adhesion of Hypalon topcoats, when used.
COVERAGE	Mil ft ² per Gallon: 1195 to 1210 (29.3 to 29.7 m ² / L /.02 mm) depending upon color
SOLIDS	Weight: Method 4041 83 – 85 % depending upon color Fed. Std. 141 Volume: 74.5 – 75.5 % depending upon color
V.O.C.	< 10 grams per liter Parts A & B combined
FLASH POINT	ASTM D-56 (Tag Closed Cup) Part A -4 °F (-20 °C) Part B -4 °F (-20 °C)
STORAGE STABILITY	Part A and Part B One year at 50 to 80 °F (10 to 27 °C)
THINNER	T5116 for brush, roller or spray; T5118 for troweling

D. APPLIED PRODUCT DATA:

PROPERTY	TEST	RESULT
TENSILE	D412 Strength: Elongation: Permanent Set at Break:	2600 ± 100 psi (17.93 ± .69 MPa) 300 ± 25 % 25 % max
HARDNESS	D2240	90 ± 5 Shore A
TEAR RESISTANCE	D624 Die C lb/inch min.	375 ± 25 (66.9 ± 4.5 kg(f) / cm)
WATER ABSORPTION	D471, 7 days R.T.	2 %
WATER VAPER PERMEABILITY	ASTM E-96 Procedure B Max. 100% RH difference @ 23 °C	0.02 perm in

E. INSTALLATION INSTRUCTIONS:

STAGE	DESCRIPTION								
PRIMER	<table border="0"> <tr> <td>Polyurethane Foam Insulation</td> <td>No primer necessary</td> </tr> <tr> <td>Wood</td> <td>No primer necessary</td> </tr> <tr> <td>Concrete</td> <td>GacoFlex E-5691</td> </tr> <tr> <td>Metals</td> <td>GacoFlex E-5320</td> </tr> </table>	Polyurethane Foam Insulation	No primer necessary	Wood	No primer necessary	Concrete	GacoFlex E-5691	Metals	GacoFlex E-5320
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Wood	No primer necessary								
Concrete	GacoFlex E-5691								
Metals	GacoFlex E-5320								
MIXING INSTRUCTIONS	Examine both components for liquidity. Stir Part A to suspend any settled pigment. Combine equal volumes of Part A and Part B. Mix thoroughly (power mixing is mandatory for quantities over two gallons).								
POT LIFE	<p>Pot life varies with the temperature of the material; including the temperature at which the material is stored. As a general guide, pot life can be expected when material temperatures are as follows:</p> <ul style="list-style-type: none"> • 60 °F (16 °C) – Approximately two (2) hours • 78 °F (26 °C) – Approximately one (1) hour • 96 °F (36 °C) – Approximately thirty (30) minutes 								
APPLICATION	<p>Brush, roll or notch trowel as mixed. Do not thin more than 5 %, so as not to exceed 250 g / L of VOC content.</p> <p>For spray application, thin if necessary with GacoFlex T5116. Apply with conventional spray gun or with airless spray equipment. When thinning for trowel application at temperatures above 80 °F (27 °C), use GacoFlex T5118 trowel thinner to prevent rapid skin formation on the surface. Thoroughly clean spray equipment with GacoFlex T5130 thinner. Circulate through lines and gun until residual U66 is removed. Flush with clean thinner. Consult Gaco Spray Guide SG-Urethane for more information.</p> <p>NOTE: Surface and ambient temperature should be a minimum of 40 °F (4 °C) to allow coating to cure properly.</p>								
CURE	<p>Applied coating will set in eight hours at 70 °F (21 °C) and can be used for light foot traffic after twenty-four (24) hours cure. For vehicle traffic, an additional twenty-four (24) hours is necessary.</p> <p>A special accelerator, U5651, is available to increase the rate of cure. Up to ¼ oz / gal (7 ml / 3.78 L) in Part A may be used to double cure rate; pot life will be reduced accordingly.</p>								

* For specific Safety and Health information please refer to the appropriate Safety Data Sheet that is associated with this product & published on Gaco.com.